

4-15-02

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/046,454	
	Filing Date	October 19, 2001	
	First Named Inventor	Robert E. Dudley	
	Group Art Unit	1617	
	Examiner Name	UKN.	
Total Number of Pages in This Submission	10	Attorney Docket Number	01917581

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): See 1 in Addendum
Remarks 1) This filing is begin made via Express Mail airbill EV0191353067US; 2) The commissioner is authorized to charge any additional fees or credits to our deposit account 130019; and 3) This case is a divisional application of prior application no. 09/651,777, and the Declaration provided is a copy of the Declaration submitted in that case.		

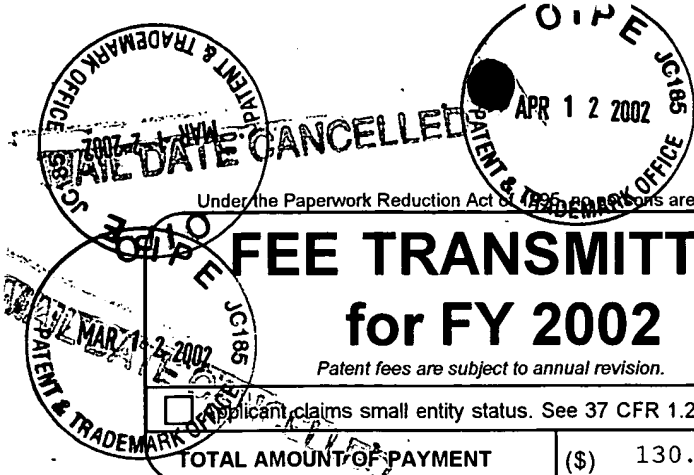
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Joseph A. Mahoney; Mayer, Brown, Rowe & Maw
Signature	
Date	4-12-02

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 4-12-02			
Typed or printed name	Joseph A. Mahoney		
Signature		Date	4-12-02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known

Application Number	10/046,454
Filing Date	October 19, 2001
First Named Inventor	Robert E. Dudley
Examiner Name	UNK.
Group Art Unit	1617
Attorney Docket No.	01917581

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number: 130019
Deposit Account Name:

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
		101 740	201 370	Utility filing fee	
		106 330	206 165	Design filing fee	
		107 510	207 255	Plant filing fee	
		108 740	208 370	Reissue filing fee	
		114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	
Independent Claims	-3** =	X	
Multiple Dependent			

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
		103 18	203 9	Claims in excess of 20	
		102 84	202 42	Independent claims in excess of 3	
		104 280	204 140	Multiple dependent claim, if not paid	
		109 84	209 42	** Reissue independent claims over original patent	
		110 18	210 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
		105 130	205 65	Surcharge - late filing fee or oath	130.00
		127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
		139 130	139 130	Non-English specification	
		147 2,520	147 2,520	For filing a request for ex parte reexamination	
		112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
		115 110	215 55	Extension for reply within first month	
		116 400	216 200	Extension for reply within second month	
		117 920	217 460	Extension for reply within third month	
		118 1,440	218 720	Extension for reply within fourth month	
		128 1,960	228 980	Extension for reply within fifth month	
		119 320	219 160	Notice of Appeal	
		120 320	220 160	Filing a brief in support of an appeal	
		121 280	221 140	Request for oral hearing	
		138 1,510	138 1,510	Petition to institute a public use proceeding	
		140 110	240 55	Petition to revive - unavoidable	
		141 1,280	241 640	Petition to revive - unintentional	
		142 1,280	242 640	Utility issue fee (or reissue)	
		143 460	243 230	Design issue fee	
		144 620	244 310	Plant issue fee	
		122 130	122 130	Petitions to the Commissioner	
		123 50	123 50	Processing fee under 37 CFR 1.17(q)	
		126 180	126 180	Submission of Information Disclosure Stmt	
		581 40	581 40	Recording each patent assignment per property (times number of properties)	
		146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
		149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
		179 740	279 370	Request for Continued Examination (RCE)	
		169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 130.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Joseph A. Mahoney	Registration No. (Attorney/Agent)	38,956	Telephone	312-701-8979
Signature		Date	4-12-02		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



4-15-02

RECEIVED 1617

APR 16 2002

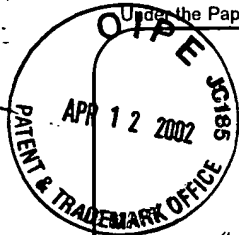
TECH CENTER 1600/2900

Please type a plus sign (+) inside this box → ☐

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/046,454
Filing Date	October 19, 2001
First Named Inventor	Robert E. Dudley
Group Art Unit	1617
Examiner Name	UNK.
Attorney Docket Number	01917581

Total Number of Pages in This Submission 31

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☒ Amendment / Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please identify below):

Remarks

- 1) This filing is being made via Express Mail airbill EV113372900US.
- 2) The Commissioner is authorized to charge any fees, if any are required, to our deposit account 130019.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name

Joseph A. Mahoney; Mayer, Brown, Rowe & Maw

Signature

Date

4-12-02

CERTIFICATE OF MAILINGI hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class ^{Express mail} mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 4-12-02

Typed or printed name

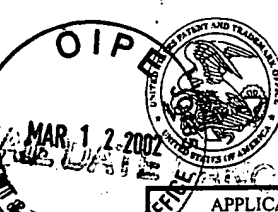

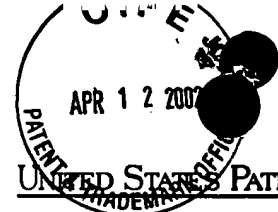
Joseph A. Mahoney

Signature

Date

4-12-02

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UNITED STATES PATENT AND TRADEMARK OFFICE			
COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE WASHINGTON, D.C. 20231 www.uspto.gov			
APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/046,454	10/19/2001	Robert E. Dudley	01917581

CONFIRMATION NO. 6787

FORMALITIES LETTER



OC00000007461249

Joseph A. Mahoney
 Mayer, Brown & Platt
 P.O. Box 2828
 Chicago, IL 60690-2828

Date Mailed: 02/12/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

04/16/2002 SSSESHE1 00000004 10046454

FILED UNDER 37 CFR 1.53(b)

01 FC:105

130.00 DP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The following item(s) appear to have been **omitted** from the application:

- **Figure(s) 25a, 25b, 25c & 25d** described in the specification.

I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, a copy of this Notice and a petition (and \$130.00 petition fee (37 CFR 1.17(h))) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the USPTO.

II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the USPTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h))) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the application as deposited in the USPTO. **THIS TWO MONTH PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b).** In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the USPTO, and original application papers (*i.e.*, the original disclosure of the invention) will include only those application papers present in the USPTO on the date of

osit.

in the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the references in the specification to the drawing figures to correspond with any relabelled drawing figures, is required. Any drawing changes should be accompanied by a copy of the drawing figures showing the proposed changes in red ink. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

20211014 15:44:20